

Title (en)

AN INJECTOR FOR REGENERATION OF AN EXHAUST GAS PURIFYING DEVICE

Title (de)

INJEKTOR ZUR REGENERIERUNG EINER ABGASREINIGUNGSVORRICHTUNG

Title (fr)

INJECTEUR POUR LA RÉGÉNÉRATION D'UN DISPOSITIF DE PURIFICATION DES GAZ D'ÉCHAPPEMENT

Publication

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Application

**EP 08753337 A 20080506**

Priority

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Abstract (en)

[origin: WO2008143412A1] The present invention relates to an injector for an exhaust purifying device of a diesel vehicle. The object of the invention is to provide an injector for an exhaust gas purifying device, which can control the jet amount of diesel fuel more precisely with minimizing the loss of performances owing to deterioration of the injector. According to the present invention, an injector is cooled by utilizing the flow of diesel fuel, to provide efficient cooling of the injector. Accordingly, the influence of lowered performances is minimized, and the problem of lowered jet efficiency of a nozzle can be fundamentally eliminated. In addition according to the present invention, the jet amount of diesel fuel can be more precisely controlled. Therefore, the required amount of diesel fuel jet in order to raise the gas temperature to a predetermined temperature can be reduced, and overall fuel efficiency of the vehicle can be thus improved.

IPC 8 full level

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CPC (source: EP KR)

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Citation (search report)

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- [A] WO 2004051059 A1 20040617 - ZEUNA STAERKER KG [DE], et al
- [A] US 2006179821 A1 20060817 - ZHAN RIJING [US], et al
- See references of WO 2008143412A1

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